

Types of Bulimulidae (Mollusca, Gastropoda) in the Muséum national d'Histoire naturelle, Paris

by Abraham S. H. BREURE *

Abstract. — In the collection of the Muséum national d'Histoire naturelle (Laboratoire de Malacologie), Paris, type specimens of 117 taxa of Bulimulidae could be traced; of these 34 have been described by Alcide d'ORBIGNY. In the present paper many types are refigured. Types of four species had not been figured before, viz. *Drymaeus andai* Jousseaume, *Dryptus flori* Jousseaume, *Bulimus peruvianus* Bruguière, and *Bulimus sisalensis* Morelet.

Résumé. — Dans la collection du Muséum national d'Histoire naturelle (Laboratoire de Malacologie) les spécimens-types de 117 taxa de Bulimulidae ont été trouvés, dont 34 décrits par Alcide d'ORBIGNY. Dans le présent travail beaucoup de types ont été figurés de nouveau. Jusqu'ici les types de quatre espèces n'avaient pas été figurés, c'est-à-dire *Drymaeus andai* Jousseaume, *Dryptus flori* Jousseaume, *Bulimus peruvianus* Bruguière et *Bulimus sisalensis* Morelet.

INTRODUCTION

During short visits to the Muséum national d'Histoire naturelle in September 1972 and November 1973, the collection of Bulimulidae in the Laboratoire de Malacologie was studied. Besides a thorough study of the Caribbean species a search was made, with the Manual of Conchology (PILSBRY, 1895-1902) as a guide, for type specimens, additional to those already indicated in the collection.

Afterwards several types were received on loan for further studies. I wish to express a special word of thanks to Dr. H. CNEVALLIER and his staff.

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It was already known that the material described by Alcide d'ORBIGNY in the molluscan part of the 'Voyage dans l'Amérique méridionale' (d'ORBIGNY, 1834-1847) is preserved in the British Museum (Natural History) (DANCE, 1966). A special search was

* Afdeling Systematische Dierkunde, p/a Rijksmuseum van Natuurlijke Historie, Raamsteeg 2, Leiden Holland.

made in Paris for the material described in the 'Synopsis terrestrium et lluvialem mollescorum' (D'ORBIGNY, 1835). Type specimens of 34 taxa could be traced by checking on the measurements and localities, as published in the 'Voyage...'. Type material of several other authors was also found. A total number of 117 species and subspecies is now being revised.

A study of D'ORBIGNY's material revealed that many of his localities could often be located with great accuracy by referring to the geographical part of the 'Voyage...' (D'ORBIGNY, 1846). These localities have been published in a separate paper (BREURE, 1973).

Under each (sub)species reference is made to the original publication, as well as to the earliest figure of the type. In addition the type locality of the revised taxon, the text of the label accompanying the original material and the measurements of primary types are given. Up to 20 mm the measurements have an accuracy of 0.1 mm, above 20 mm of 0.5 mm.

'Coll. JC' indicates that the specimens are preserved in the collection of the Journal de Conchyliologie, which material is also kept at the Laboratoire de Malacologie.

Most primary type specimens are resfigured here, except for some damaged ones and specimens which were adequately figured in the Journal de Conchyliologie.

The species are arranged alphabetically under each genus, the sequence of which is according to the system of ZILCH (1959-1960).

SPECIES

Eudolichotis distortus guariensis (Jousseaume, 1889) (Pl. III, 5)

Plecochilus guariensis Jousseaume, 1889 : 244, pl. 9, fig. 11.

TYPE LOCALITY : Venezuela, La Guayra.

"La Guaira", ex JOSSEAUDE. Two specimens, holotype (shell height 39.5 mm, diameter 15.5 mm) and one paratype.

Plekochilus (Eurytus) argenteus (Jousseaume, 1900) (Pl. VII, 4)

Euritus argenteus Jousseaume, 1900 : 41, pl. 1, fig. 20-21.

TYPE LOCALITY : Venezuela, Mérida.

"Venezuela", ex JOSSEAUDE. Two specimens, holotype (shell height 25.0 mm, diameter 15.9 mm) and one paratype.

Plekochilus (Eurytus) floccosus (Spix, 1827) (Pl. V, 5)

Helix pentadina d'Orbigny, 1835 : 8. — D'ORBIGNY, 1837 [1834-1847] : pl. 29, fig. 11-12.

TYPE LOCALITY : Brazil, São Paulo.

One specimen, ex D'ORBIGNY; without label, but doubtless holotype, as D'ORBIGNY writes

(1837 : 297) " Nous n'avons même vu qu'un seul individu, que nous avons déposé dans les collections du Muséum d'histoire naturelle de Paris ". Holotype of *pentadina* : shell height 61 mm, diameter 29 mm.

Plekocheilus (Eurytus) mabillei (Crosse, 1867)

Bulimus mabillei Crosse, 1867b : 197, pl. 6, fig. 4.

TYPE LOCALITY : Colombia.

" Andes de Colombie ", ex CROSSE. Holotype : shell height 26.5 mm, diameter 16 mm (Coll. JC). Adequately figured by CROSSE.

Plekocheilus (Eurytus) tricolor semipictus (Hidalgo, 1869)

Bulimus semipictus Hidalgo, 1869c : 188. — HIDALGO, 1870 : pl. 6, fig. 7.

TYPE LOCALITY : Ecuador, Prov. Napo-Pastaza, Baeza.

A specimen, ex HIDALGO, here designated lectotype : shell height 38 mm, diameter 21 mm (Coll. JC). Adequately figured by HIDALGO.

Thaumastus (Thaumastus) flori (Jousseaume, 1897) (Pl. VI, 1)

Dryptus flori Jousseaume, 1897 : 265.

TYPE LOCALITY : Ecuador, Prov. El Oro, Machala.

Holotype, ex JOUSSEAUME, shell height 86 mm, diameter 42 mm.

Thaumastus (Thaumastus) tatutor (Jousseaume, 1887) (Pl. VII, 1)

Tatutor tatutor Jousseaume, 1887b : 6, fig. 1.

TYPE LOCALITY : " New Grenada " [= Colombia, Ecuador and Venezuela].

" N. Grenada ", ex JOUSSEAUME. Holotype : shell height 100 mm, diameter 52 mm.

Thaumastus (Atahualpa) inca (d'Orbigny, 1835)

Helix inca d'Orbigny, 1835 : 16. — d'ORBIGNY, 1837 [1834-1847] : pl. 38, fig. 6-7.

TYPE LOCALITY : Bolivia, Dept. Cochabamba, Totolima.

" Tutilima ", ex d'ORBIGNY, three syntypes.

Thaumastus (Scholvenia) orobaenus (d'Orbigny, 1835) (Pl. III, 6)

Helix orobaena d'Orbigny, 1835 : 17. — d'ORBIGNY, 1837 [1834-1847] : pl. 39, fig. 3-4.

TYPE LOCALITY : Bolivia, Dept. La Paz, Cajuata.

"*Careuata*", ex D'ORBIGNY. One specimen, here designated lectotype : shell height 39 mm, diameter 16.5 mm. Although the protocone is almost completely eroded, this species certainly does not belong to the genus *Drymaeus*. *Helix orobaena* is here tentatively placed under *Thaumastus* (*Scholvienia*).

Bostryx (Ataxus) huayaboensis (Dautzenberg, 1901)

Bulinulus (Ataxus) huayaboensis Dautzenberg, 1901d : 311, pl. 9, fig. 8-9.

Bulinulus (Ataxus) huayaboensis rufis Dautzenberg, 1901d : 312, pl. 9, fig. 10.

Bulinulus (Ataxus) huayaboensis attenuata Dautzenberg, 1901d : 312, pl. 9, fig. 11.

TYPE LOCALITY : Peru, "Huayabo".

Three specimens, ex DAUTZENBERG. Holotype of *huayaboensis* : shell height 23.5 mm, diameter 9.6 mm. Holotype of variety *rufis* : shell height 19.7 mm, diameter 8.0 mm. Holotype of variety *attenuata* : shell height 22.5 mm, diameter 7.4 mm (all coll. JC). All adequately figured by DAUTZENBERG.

Bostryx (Ataxus) umbilicaris (Souleyet, 1842) (Pl. X, 5)

Bulinus umbilicaris Souleyet, 1842 : 102. — SOULEYET, 1852 : pl. 29, fig. 12-15.

TYPE LOCALITY : Chile, Cobija.

"Voy. de la Bonité", "Pérou", ex SOULEYET, five syntypes. The locality mentioned on the label accompanying the specimens is not identical with the type locality. However, it seems to be justified to designate one specimen, which corresponds to the figures and measurements given by SOULEYET, lectotype : shell height 15.2 mm, diameter 6.3 mm.

Bostryx (Pampasinus) rhodolarynx (Reeve, 1849) (Pl. IX, 2)

Bulinus devillei Deville & Hupé, 1850 : 644, pl. 15, fig. 3.

TYPE LOCALITY : Peru, Aparimao.

"*Sarayaeu* (Pérou)", ex DEVILLE & HUPÉ ex CASTELNAU & DEVILLE. Five syntypes, of which one designated lectotype of *devillei* : shell height 34.5 mm, diameter 20 mm.

Peronaeus (Peronaeus) baeri (Dautzenberg, 1901)

Peronaeus baeri Dautzenberg, 1901a : 131. — DAUTZENBERG, 1901b : pl. 8, fig. 3-4.

TYPE LOCALITY : Peru, "Iocos".

Holotype, ex DAUTZENBERG, shell height 14.7 mm, diameter 3.3 mm (Coll. JC). Adequately figured by DAUTZENBERG.

Peronaeus (Peronaeus) iocensis (Dautzenberg, 1901)

Peronaeus iocensis Dautzenberg, 1901a : 131. — DAUTZENBERG, 1901b : pl. 8, fig. 1-2.

TYPE LOCALITY : Peru, "Iocos".

Holotype, ex DAUTZENBERG, shell height 12.5 mm, diameter 3.2 mm (Coll. JC). Adequately figured by DAUTZENBERG.

Peronaeus (Lissoacme) alausiensis (Cousin, 1887) (Pl. VI, 4)

Thaumastus alausiensis Cousin, 1887 : 228, pl. 4, fig. 43.

TYPE LOCALITY : Ecuador, Prov. Chimborazo, Alausi.

"Équateur", ex JOUSSEAUME ex COUSIN. Nineteen syntypes, of which one designated lectotype : shell height 24.5 mm, diameter 10.7 mm.

Peronaeus (Lissoacme ?) bonneti (Aneey, 1902) (Pl. IX, 1)

Bulimulus bonneti Aneey, 1902 : 40, fig. 1.

TYPE LOCALITY : Bolivia.

"Bolivie" ex ANCEY. Holotype : shell height 22, diameter 12.8 mm (Coll. JC).

Peronaeus (Lissoacme) fayssianus (Petit, 1853) (Pl. IX, 4)

Bulimus fayssianus Petit, 1853a : 250, pl. 8, fig. 7.

TYPE LOCALITY : Argentina.

Figured specimen, designated lectotype : shell height 26 mm, diameter 14.4 mm (Coll. JC).

Peronaeus (Lissoacme) limonoicus (d'Orbigny, 1835) (Text-fig. 1)

Helix limonoica d'Orbigny, 1835 : 43. — d'ORBIGNY, 1836 ? [1834-1847] : pl. 33, fig. 15-17.

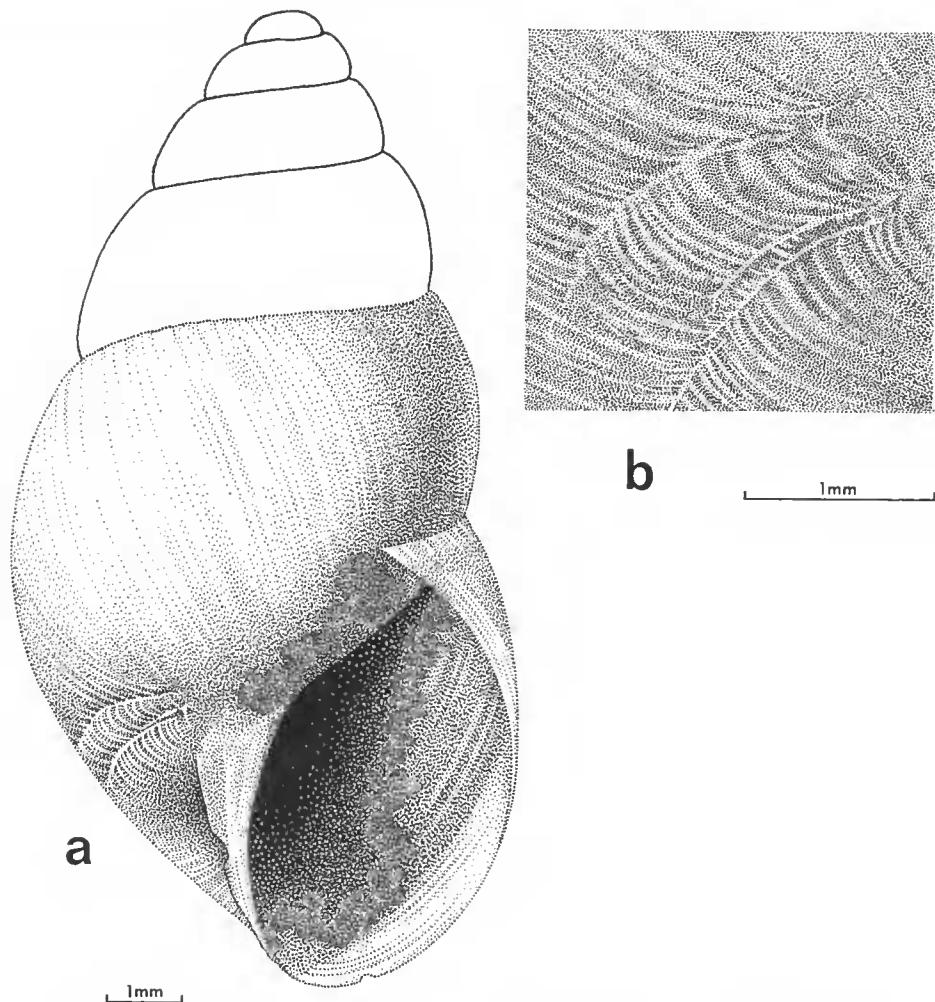
TYPE LOCALITY : Bolivia, Dept. Santa Cruz, San Juan.

"San Juan, Chiquitos", ex d'ORBIGNY. Two syntypes, one designated lectotype : shell height 13.6 mm, diameter 7.1 mm. Two other specimens among the syntypes and labelled "Mte Grande, Chiquitos", ex d'ORBIGNY, are not conspecific and do not even belong to the genus *Peronaeus*.

Peronaeus (Lissoacme) juana (Cousin, 1887) (Pl. VI, 5)

Thaumastus juana Cousin, 1887 : 228, pl. 4, fig. 10.

TYPE LOCALITY : Ecuador, Prov. Azuay, Gualaceo.



TEXT-FIG. 1. — *Peronaeus limonoicus* (d'Orbigny), lectotype. H. Heijn del.
a, outline of shell; b, detail of sculpture on last whorl.

"Gualacco", ex JOUSSEAUME ex COUSIN. Seven specimens, one designated lectotype : shell height 23.5 mm, diameter 11.0 mm.

Peronaeus (Lissoacme) rouaulti (Hupé, 1854) (Pl. X, 2)

Bulimus rouaulti Hupé, 1854 : 110, pl. 3, fig. 8.

TYPE LOCALITY : Chile, Prov. Atacama, Copiapo.

"Chile" ex HUPÉ ex GAY. Seven specimens, one designated lectotype : shell height 13.9 mm, diameter 7.3 mm.

Peronaeus (Lissoacme) rusticellus (Morelet, 1860) (Pl. IX, 3)

Bulinus rusticellus Morelet, 1860 : 373. — MORELET, 1863 : pl. 8, fig. 5.

TYPE LOCALITY : Peru, Prov. Junín, Jauja.

“Péron” ex MORELET. Two syntypes, one designated lectotype : shell height 18.5 mm, diameter 12.3 mm.

Plectostylus peruvianus (Bruguière, 1789) (Pl. III, 2)

Bulinus peruvianus Bruguière, 1789 [1789-1792] : 320.

TYPE LOCALITY : [Chile].

“Du cabinet de Bruguière”. One specimen, designated lectotype : shell height 36 mm, diameter 17.5 mm.

Scutalus cousini (Jousseaume, 1887) (Pl. VI, 2)

Rhabdotus coussini Jousseaume, 1887b : 167, pl. 3, fig. 48.

TYPE LOCALITY : Ecuador, “Concha”.

Two specimens, ex JOUSSEAUME, holotype (shell height 41 mm, diameter 23.5 mm) and one paratype.

Scutalus culmineus culmineus (d'Orbigny, 1835) (Pl. I, 3)

Helix culminea d'Orbigny, 1835 : 13. — d'ORBIGNY, 1836 ? [1834-1847] : pl. 33, fig. 8-9.

TYPE LOCALITY : Bolivia, Dept. Oruro, “Pucara”, approximately 40 km SE of Totora (here restricted). WEYRAUCH (1967 : 393) wrongly selected the peninsula Capachica, 30 km NE of Puno, Peru as type locality, cf. BREURE, 1973 : 116.

“Carangas”, ex d'ORBIGNY, four syntypes, one designated lectotype : shell height 30.5 mm, diameter 14.5 mm.

Scutalus culmineus lithoicus (d'Orbigny, 1835) (Pl. III, 1)

Helix lithoica d'Orbigny, 1835 : 13. — d'ORBIGNY, 1836 ? [1834-1847] : pl. 33, fig. 10-11.

TYPE LOCALITY : Bolivia, Dept. La Paz, Obrajes near La Paz.

“La Paz”, ex d'ORBIGNY, four syntypes, of which one designated lectotype : shell height 32 mm, diameter 15.0 mm.

Scutalus nivalis (d'Orbigny, 1835)

Helix nivalis d'Orbigny, 1835 : 12. — d'ORBIGNY, 1836 [1834-1847] : pl. 32, fig. 8-9.

TYPE LOCALITY : Bolivia, Dept. Potosí, mountains near Potosí.

"Potosi", ex d'ORBIGNY, two syntypes, one designated lectotype : shell height 15.7 mm, diameter 9.3 mm.

Scutalus pluto (Crosse, 1869)

Bulimus pluto Crosse, 1869b : 422. — CROSSE, 1871a : pl. 2, fig. 4.

TYPE LOCALITY : Peru.

"Amer. du Sud", ex CROSSE. Holotype : shell height 51.5 mm, diameter 25.5 mm (Coll. JC). Adequately figured by Crosse.

Scutalus prometheus (Crosse, 1869)

Bulimus prometheus Crosse, 1869b : 423. — CROSSE, 1871a : pl. 2, fig. 4.

TYPE LOCALITY : Peru.

"Amer. du Sud", ex CROSSE. Holotype : shell height 35.5 mm, diameter 17.5 mm (Coll. JC). Adequately figured by CROSSE.

Scutalus thamnoicus (d'Orbigny, 1835) (Pl. IV, 4)

Helix thamnoica d'Orbigny, 1835 : 16 [vars. C and D excluded]. — d'ORBIGNY, 1836 ? [1834-1847] : pl. 36, fig. 4-6.

TYPE LOCALITY : Bolivia, Dept. Cochabamba, Independencia.

"Palea ayupaya", ex d'ORBIGNY, three syntypes (var. A of d'ORBIGNY), of which one designated lectotype : shell height 47.5 mm, diameter 26.5 mm. "Cochabamba", ex d'ORBIGNY, four paralectotypes (var. B of d'ORBIGNY).

Scutalus tupacii (d'Orbigny, 1835) (Pl. II, 3)

Helix tupacii d'Orbigny, 1835 : 16. — d'ORBIGNY, 1837 [1834-1847] : pl. 38, fig. 1-5.

TYPE LOCALITY : Bolivia, Dept. La Paz, Yanaeachi (here restricted).

"Bolivie", ex d'ORBIGNY, three syntypes without exact locality. Specimen figured by d'ORBIGNY designated lectotype : shell height 76 mm, diameter 34 mm.

Scutalus weddellii (Hupé, 1857) (Pl. III, 3)

Bulimus weddellii Hupé, 1857 : 45, pl. 7, fig. 5.

TYPE LOCALITY : Peru, Cuzco (CRAWFORD, 1939).

"Cusco", ex HUPÉ ex WEDDELL, one syntype, designated lectotype : shell height 33 mm, diameter 16.5 mm.

Bulimulus (Bulimulus) apodemetes (d'Orbigny, 1835)

Helix apodeneta d'Orbigny, 1835 : 10. — d'ORBIGNY, 1836 [1834-1847] : pl. 30, fig. 5-8.

TYPE LOCALITY : Argentina, Prov. Santa Fé, San Lorenzo (PARODIZ, 1957).

“Pampa Gde”, ex d'ORBIGNY, six syntypes. “Vilma”, ex d'ORBIGNY, two syntypes.

Bulimulus (Bulimulus) bonariensis sporadicus (d'Orbigny, 1835)

Helix sporadica d'Orbigny, 1835 : 12. — d'ORBIGNY, 1836 [1834-1847] : pl. 32, fig. 12-15.

TYPE LOCALITY : [Bolivia, Dept. Santa Cruz, Prov. Chiquitos].

“Santiago”, ex d'ORBIGNY, four syntypes. “Var B, Santiago”, ex d'ORRIGNY, six syntypes. “Corrientes”, ex d'ORBIGNY, five syntypes.

Bulimulus (Bulimulus) diaphanus fraterculus (Potiez & Michaud, 1835)

Bulimus fraterculus Potiez & Michaud, 1835 [1835-1838] : pl. 13, fig. 7-8.

Bulimulus houelmontensis [Crosse ms.] Mazé, 1883 : 19, pl. 1, fig. 6.

TYPE LOCALITY : West Indies, Guadeloupe.

“MM. Potiez & Michaud”. Lectotype (shell height 13.7 mm, diameter 6.8 mm) and eleven paratypes of *Bulimus fraterculus*. “Guadeloupe, Houelmont, environ 586 m”, ex CROSSE ex MAZÉ, holotype of *Bulimulus houelmontensis* : shell height 15.5 mm, diameter 7 mm. Both types refigured by BREURE, 1974a.

Bulimulus (Bulimulus) limnoides (Férussac, 1832)

Helix limnoides Férussac, 1832, in FÉRUSSAC & DESHAYES, 1820-1851 : pl. 142, fig. 9-10.

TYPE LOCALITY : West Indies, Guadeloupe (BREURE, 1974a).

“Guadeloupe”, ex FÉRUSSAC. Lectotype (shell height 29 mm, diameter 14.8 mm) and seven paratypes. Refigured by BREURE, 1974a.

Bulimulus (Bulimulus) tyleri Dall, 1912

Bulimus simplex Hupé, 1857 : 53, pl. 9, fig. 6. Not *Bulimus simplex* Jonas, 1842 nor *Bulimulus simplex* Beck, 1837.

Bulimulus tyleri Dall, 1912 : 6.

Bulimulus smeurcruum Breure, 1974b : 45, fig. 1a-c (new synonymy).

TYPE LOCALITY : Peru.

“Pampa (Pérou)”, ex HUPÉ ex CASTELNAU. Lectotype (shell height 15.3 mm, diameter 8 mm) and one paratype. Unfortunately I overlooked the introduction of a nomen novum for *Bulimus simplex* Hupé by DALL in 1912.

Bulimulus (?) torallyi (d'Orbigny, 1835) (Pl. VIII, 4)

Helix torallyi d'Orbigny, 1835 : 11 (in part). — d'ORBIGNY, 1836 [1834-1847] : pl. 32, fig. 1-2 (not 3-4).

TYPE LOCALITY : Bolivia, Dept. Chuquisaca, "Pampa Ruis", approximately 15 km SW of Pucara.

"Rio Grande", ex d'ORBIGNY, four syntypes, one designated lectotype: shell height 28.5 mm, diameter 12 mm.

Bulimulus (Bulimulus) turritellatus Beck, 1837 (Pl. VIII, 6)

Helix turritella d'Orbigny, 1835 : 13. Not *Helix turritella* Féussae, 1821.

Bulimulus turritellatus Beck, 1837 : 67.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, San Juan.

"Chiquitos", ex d'ORBIGNY, three syntypes, one designated lectotype: shell height 20.5 mm, diameter 10.3 mm.

Naesiotus crepundia (d'Orbigny, 1835) (Pl. VIII, 5)

Helix crepundia d'Orbigny, 1835 : 14. — d'ORBIGNY, 1836 [1834-1847] : pl. 33, fig. 18-19.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, "Sitos", approximately 6 km S of San José.

"Du suture du Upuyares, Chiquitos", ex d'ORBIGNY, four syntypes, one designated lectotype: shell height 26 mm, diameter 10.1 mm. GERMAIN (1933 : 47) wrongly placed this species in the synonymy of *Naesiotus rivasi* (d'Orbigny), proved by a comparison of the types and additional material.

Naesiotus mazei (Crosse, 1874)

Bulimulus mazei Crosse, 1874b : 118. — CROSSE, 1874c : pl. 4, fig. 3.

TYPE LOCALITY : West Indies, Martinique, Massif des Pitons.

"Martinique, Massif des Pitons", ex CROSSE ex MAZÉ. Holotype: shell height 19 mm, diameter 6.9 mm. Refigured by BREURE, 1975.

Naesiotus montivagus (d'Orbigny, 1835)

Helix montivaga d'Orbigny, 1835 : 44. — d'ORBIGNY, 1836 [1834-1847] : pl. 34, fig. 1-3.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz (here restricted).

"Bolivie", ex d'ORBIGNY, two syntypes. "Bolivie, Pampa...", ex d'ORBIGNY, five syntypes.

Naesiotus munsteri (d'Orbigny, 1837)

Bulimus munsteri d'Orbigny, 1837 [1834-1847] : 278 (pl. 34, fig. 4-7, « par erreur sous le nom *Helix camba* ; cf. p. 263 and pl. 41, fig. 15-17).

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, Cuevas Petaeas (here restricted).
“Cuesta Petaca”, ex d'ORBIGNY, two syntypes.

Naesiotus nux (Broderip, 1832)

Bulimus nuciformis Petit, 1853b : 365, pl. 11, fig. 7.

TYPE LOCALITY : Galápagos, Charles Island.

“Ils Gallápagos”, ex PETIT. One syntype, designated lectotype of *nuciformis* : shell height 16.5 mm, diameter 8.8 mm. Adequately figured by PETIT.

Naesiotus pazianus (d'Orbigny, 1835) (Pl. VIII, 1)

Helix paziana d'Orbigny, 1835 : 42. — d'ORBIGNY, 1836 [1834-1847] : pl. 32, fig. 10-11.

TYPE LOCALITY : Bolivia, Dept. La Paz, Cavari.

“Cavari”, ex d'ORBIGNY, three syntypes, one designated lectotype : shell height 23 mm, diameter 9.9 mm.

Naesiotus rivasi (d'Orbigny, 1836)

Helix rivasi d'Orbigny, 1836 [1834-1847] : pl. 34, fig. 8-10.

Bulimus rivasi d'Orbigny, 1836 [1834-1847] : 276.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, Cuevas Petaeas.

“Cuesta Petaca”, ex d'ORBIGNY, two syntypes.

Naesiotus rocayanus (d'Orbigny, 1835)

Helix rocayana d'Orbigny, 1835 : 43. — d'ORBIGNY, 1836 ? [1834-1847] : pl. 33 fig. 6-7.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, Cortadera.

“Rio Grande”, ex d'ORBIGNY. One damaged specimen, here designated lectotype, is very probably the original shell because of the measurements : diameter 8.4 mm, height of aperture 8.8 mm, width of aperture 5.6 mm.

Naesiotus trichodes (d'Orbigny, 1835)

Helix trichodes d'Orbigny, 1835 : 42. — d'ORBIGNY, 1836 ? [1834-1847] : pl. 33, fig. 1-5.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, Santa Cruz.

“Sta Cruz”, ex d'ORBIGNY, four syntypes.

Rabdoto_s (Rabdoto_s) sufflatus (Gould, 1859)*Bulimulus (Globosus) recognitus* Mabille, 1895a : 69.

TYPE LOCALITY : Mexieo, Baja California.

"Basse Californie", ex MABILLE ex DIGUET. Lectotype of *recognitus* : shell height 24 mm, diameter 16.4 mm. Refigured by HANNA & SMITH, 1968.**Rabdoto_s (Leptobrysus) acholus** (Mabille, 1895)*Bulimulus (Scutalus) acholus* Mabille, 1895a : 68.

TYPE LOCALITY : Mexico, Baja California.

"Basse Californie" ex MABILLE ex DIGUET. Lectotype : shell height 45 mm, diameter 25 mm. Refigured by HANNA & SMITH, 1968.

Rabdoto_s (Leptobrysus) cosmicus (Mabille, 1895)*Bulimulus (Scutalus) cosmicus* Mabille, 1895a : 68.

TYPE LOCALITY : Mexico, sierras of southern Baja California.

"California", ex MABILLE ex DIGUET. Lectotype : height 46.5 mm, diameter 25.5 mm and two paralectotypes. Refigured by HANNA & SMITH, 1968, who expressed their doubt as to *cosmicus* being a good species (I.c. : 394).**Rabdoto_s (Leptobrysus) subspirifer** (Mabille, 1895)*Bulimulus (Leptobrysus) subspirifer* Mabille, 1895a : 67.

TYPE LOCALITY : Mexico, Baja California.

"Basse Californie", ex MABILLE ex DIGUET. Lectotype : shell height 47 mm, diameter 19.7 mm. Refigured by HANNA & SMITH, 1968.

Rabdoto_s (Hannarabdoto_s) beldingi (Cooper, 1892)*Bulimulus (Leptobrysus) dismenicus* Mabille, 1895a : 67.

TYPE LOCALITY : Mexieo, Baja California.

"Sierra de la Puna", ex MABILLE ex DIGUET. One specimen labeled "type", therefore holotype of *dismenicus* : shell height 31.5 mm, diameter 15 mm. Refigured by HANNA & SMITH, 1968.**Rabdoto_s (Hannarabdoto_s) excelsus** (Gould, 1853)*Bulimulus (Scutalus) cacotyeus* Mabille, 1895a : 69.

TYPE LOCALITY : Mexieo, Baja California.

“ Basse Californie ”, ex MABILLE ex DIGUET. Lectotype of *cacotycus* (shell height 58 mm, diameter 26.5 mm) and two paraleetotypes. Refigured by HANNA & SMITH, 1968.

Cochlorina scoliodes (Dautzenberg, 1901) (Pl. II, 5)

Drymaeus scoliodes Dautzenberg, 1901d : 309, pl. 9, fig. 6-7.

TYPE LOCALITY : Peru, Prov. Huallaga, Río Mixiollo.

Holotype, ex DAUTZENBERG : shell height 42.5 mm, diameter 22.5 mm.

Drymaeus abyssorum (d'Orbigny, 1835) (Pl. VII, 2)

Helix abyssorum d'Orbigny, 1835 : 17. — d'ORBIGNY, 1837 [1834-1847] : pl. 39, fig. 7-8.

TYPE LOCALITY : Bolivia, Dept. Chuquisaca, “ Pampa Ruis ”, approximately 15 km SW of Pucara.

“ Pampa ruis ”, ex d'ORBIGNY, five syntypes, of which one designated lectotype : shell height 50 mm, diameter 26 mm.

Drymaeus andai Jousseaume, 1898 (Pl. II, 4)

Drymaeus andai Jousseaume, 1898 : 14.

TYPE LOCALITY : Ecuador, Prov. Napo-Pastaza, Tena.

“ Tena, équateur ”, ex JOSSEAU, six syntypes, largest specimen designated lectotype : shell height 43.5 mm, diameter 16.5 mm.

Drymaeus baezensis (Hidalgo, 1869) (Pl. I, 2)

Bulimus baezensis Hidalgo, 1869e : 189. — HIDALGO, 1870 : pl. 1, fig. 3.

TYPE LOCALITY : Ecuador, Prov. Napo-Pastaza, Baeza.

“ Baeza (Équateur) ”, ex HIDALGO. Holotype : shell height 31 mm, diameter 14.2 mm (Coll. JC).

Drymaeus beyerleanus (Hupé, 1857) (Pl. II, 2)

Bulimus beyerleanus Hupé, 1857 : 50, pl. 6, fig. 6.

TYPE LOCALITY : Peru.

“ Pérou ”, ex HUPÉ ex CASTELNAU & DEVILLE. Six syntypes, one designated lectotype : shell height 41.5 mm, diameter 16.0 mm.

Drymaeus bolivarii (d'Orbigny, 1835) (Pl. IV, 2)

Helix bolivarii d'Orbigny, 1835 : 17. — d'ORBIGNY, 1837 [1834-1847] : pl. 39, fig. 5-6.

TYPE LOCALITY : Bolivia, Dept. Cochabamba, "Seja del Monte", approximately 10 km SSW of Aguada.

"Seja del Monte", ex d'ORBIGNY, one specimen, designated lectotype : shell height 53.5 mm, diameter 24.5 mm.

Drymaeus brachysoma (d'Orbigny, 1835)

Helix brachysoma d'Orbigny, 1835 : 18. — d'ORBIGNY, 1837 [1834-1847] : pl. 39, fig. 9-10.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, near Tucava.

"Bolivie, Santa Cruz", ex d'ORBIGNY. One damaged specimen, syntype.

Drymaeus cucullus (Morelet, 1849)

Bulimus cucullus Morelet, 1849 : 9.

TYPE LOCALITY : Mexico, Yucatan, Sisal.

"Yucatan, environs de Sisal, sur la plage", ex MORELET, four syntypes.

Drymaeus cf. draparnaudi (Pfeiffer, 1847) (Pl. VIII, 2)

Helix torallyi d'Orbigny, 1835 : 11 (in part). — d'ORBIGNY, 1836 [1834-1847] : pl. 32, fig. 3-4 (not 1-2).

TYPE LOCALITY : Bolivia, Chilon.

"var. B Rio Grande", ex d'ORBIGNY, three syntypes. One specimen corresponds to pl. 32, fig. 3, another to pl. 32, fig. 4. "var. C Chiquitos, Monte Grande", ex d'ORBIGNY, one syntype.

Bulimus draparnaudi Pfeiffer has hitherto been treated as a synonym of *Helix torallyi* d'Orbigny. As the type specimens of the latter taxon proved to belong to two different species I tentatively consider *dрапарнауди* as a good species until I have examined the syntypes in the British Museum (Natural History).

Drymaeus dunkeri forreri (Mousson, 1883) (Pl. II, 1)

Bulimulus forreri Mousson, 1883 : 217, pl. 9, fig. 2.

TYPE LOCALITY : Mexico, Durango, Ventanas.

"Ventanas (Durango) Mexique", ex MOUSSON ex FORRER. Holotype: shell height 39.5 mm, diameter 21 mm (Coll. JC).

Drymaeus elongatus (Röding, 1798)

Helix virgulata Féruccac, 1822, in FÉRUSSAC & DESHAYES, 1820-1851 : pl. 142B, fig. 4-7.

TYPE LOCALITY : West Indies, Puerto Rico (BAKER, 1924).

“Guadeloupe”, ex FÉRUSSAC ex RANG, two syntypes of *virgulata*.

Drymaeus fusoides (d'Orbigny, 1835) (Pl. IV, 3)

Helix fusoides d'Orbigny, 1835 : 19. — d'ORBIGNY, 1837, in d'ORBIGNY, 1834-1847 : pl. 40, fig. 12-13.

TYPE LOCALITY : Bolivia, Dept. Cochabamba, Yungas del Palmar.

“La Palma”, ex d'ORBIGNY, two syntypes, one designated lectotype : shell height 40 mm, diameter 13.3 mm.

Drymaeus hygrohylaeus (d'Orbigny, 1835)

Helix hygrohylaea d'Orbigny, 1835 : 48. — d'ORBIGNY, 1837 [1834-1847] : pl. 40, fig. 3-5.

TYPE LOCALITY : Bolivia, eastern part of Dept. Santa Cruz.

“Chiquitos”, ex d'ORBIGNY, three syntypes. According to WEYRAUCH (1960 : 39) the other part of the type-series of this species is preserved in the British Museum (Natural History).

Drymaeus jousseaumei Dautzenberg, 1901

Drymaeus jousseaumei Dautzenberg, 1901d : 308, pl. 9, fig. 4-5.

TYPE LOCALITY : Peru, Prov. Huallaga, Río Mixollo.

Holotype, ex DAUTZENBERG ; shell height 49.5 mm, diameter 22 mm (Coll. JC). Adequately figured by DAUTZENBERG.

Drymaeus linostoma (d'Orbigny, 1835) (Pl. I, 1)

Helix linostoma d'Orbigny, 1835 : 49. — d'ORBIGNY, 1837 [1834-1847] : pl. 40, fig. 9-11.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, north of Bibosi.

“Sta Cruz, Gua...”, ex d'ORBIGNY, three syntypes, one designated lectotype : shell height 30.5 mm, diameter 16.5 mm.

Drymaeus lophoicus (d'Orbigny, 1835) (Pl. I, 4)

Helix lophoica d'Orbigny, 1835 : 49. — d'ORBIGNY, 1837 [1834-1847] : pl. 40, fig. 14-15.

TYPE LOCALITY : Bolivia, Dept. La Paz, near Yanacachi (here restricted).

"Yungas", ex d'ORBIGNY, four syntypes, of which one designated lectotype : shell height 33.5 mm, diameter 12.8 mm.

Drymaeus marmorinus (d'Orbigny, 1835) (Pl. III, 4)

Helix marmorina d'Orbigny, 1835 : 18. — d'ORBIGNY, 1837 [1834-1847] : pl. 39, fig. 11-12.

TYPE LOCALITY : Bolivia, Dept. La Paz, borders of Río Miguilla.

"Miguilia", ex d'ORBIGNY, four syntypes, one designated lectotype : shell height 40.5 mm, diameter 18.5 mm.

Drymaeus multifasciatus (Lamarek, 1822)

Bulinulus multifasciatus albicans Mazé, 1874 : 163.

TYPE LOCALITY : West Indies, Martinique.

"Martinique, St. Pierre", ex H. FISCHER ex MAZÉ, one syntype, designated lectotype : shell height 24.5 mm, diameter 12.4 mm.

Drymaeus multilineatus (Say, 1825) (Pl. VIII, 3)

Bulimus sisalensis Morelet, 1849 : 9.

TYPE LOCALITY : Mexico, Yucatan, Sisal.

"Yucatan, environs de Sisal", ex MORELET, four syntypes, of which one designated lectotype of *sisalensis* : shell height 23.5 mm, diameter 9.6 mm.

Drymaeus poecilus (d'Orbigny, 1835)

Helix poecila d'Orbigny, 1835 : 11. — d'ORBIGNY, 1836 [1834-1847] : pl. 31, fig. 1-10.

TYPE LOCALITY : Bolivia, Dept. Santa Cruz, near Pampa Grande.

"A. Sn Juan", ex d'ORBIGNY, four syntypes. "var. B Chiquitos", ex d'ORBIGNY, five syntypes. "CD Chiquitos", ex d'ORBIGNY, five syntypes.

Drymaeus rabuti (Jousseaume, 1898) (Pl. IV, 5)

Hamadryas rabuti Jousseaume, 1898 : 14, text-figs.

TYPE LOCALITY : Ecuador, Prov. Napo-Pastaza, Tena.

"Tena, Équateur", ex JOUSSEAUME, three syntypes, one designated lectotype : shell height 24.5 mm, diameter max. 19 mm, min. 12.8 mm.

Drymaeus rugosus (Valenciennes, 1833)

Lymnaea rugosa Valenciennes, 1833 : 250, pl. 56, fig. 5.

TYPE LOCALITY : Mexico.

"Mexique", ex VALENCIENNES. One juvenile specimen, designated lectotype : shell height 31.5 mm, diameter 18.5 mm.

Although *Lymnaea rugosa* Valenciennes, 1833, was based on a juvenile shell, the present author can see no reason to suppress this specific name in favour of *Bulimus dom-beyanus* "Férussac" Pfeiffer, 1842, as did previous authors (cf. PILSBRY, 1899 : 33). According to the International Code on Zoological Nomenclature it is not forbidden to found a species on a juvenile shell or a specimen which is otherwise aberrant in form.

Drymaeus tropicalis (Morelet, 1849)

Bulimus tropicalis Morelet, 1849 : 9.

TYPE LOCALITY : Mexieo, Campeehe, Campeehe.

"Yucatan, environs de Campeehe", ex MORELET, four syntypes.

Drymaeus visendus (Hidalgo, 1869) (Pl. I, 5)

Bulimus visendus Hidalgo, 1869a : 50, pl. 5, fig. 8.

TYPE LOCALITY : Ecuador, Prov. Napo-Pastaza, Baeza.

"Baeza, Équateur", ex HIDALGO. One syntype, designated lectotype : shell height 32.5 mm, diameter 14.6 mm (Coll. JC).

Drymaeus xanthostomus (d'Orbigny, 1835) (Pl. II, 6)

Helix xanthostoma d'Orbigny, 1835 : 48. — d'ORBIGNY, 1837 [1834-1847] : pl. 40, fig. 1-2.

TYPE LOCALITY : Bolivia, Dept. La Paz, Cajuata (here restricted).

"Carcuata Yas", ex d'ORBIGNY, five syntypes, one designated lectotype : shell height 46 mm, diameter 19 mm.

Drymaeus zoographicus (d'Orbigny, 1835) (Pl. I, 6)

Helix zographica d'Orbigny, 1835 : 49 (error). — *Helix zoographica*, d'Orbigny, 1837 [1834-1847] : pl. 40, fig. 6-7.

TYPE LOCALITY : Bolivia, Dept. Coehabamba, near Totolima in valley of Río Altamaehi (here restricted).

"Tutulima", ex d'ORBIGNY, one syntype designated lectotype : shell height 35 mm, diameter 13.2 mm. "... Yungas", ex d'ORBIGNY, four paralectotypes.

Stenostylus colmeiroi (Hidalgo, 1869) (Pl. X, 6)

Bulimus colmeiroi Hidalgo, 1869b : 122. — HIDALGO, 1875 : pl. 7, fig. 3.

TYPE LOCALITY : Eeuador, Prov. Napo-Pastaza, Baeza.

Holotype, ex HIDALGO : shell height 17 mm, diameter 9.4 mm (Coll. JC).

Stenostylus goudotii (Petit, 1843) (Pl. VII, 3)

Bulimus goudotii Petit, 1843a : 239. — PETIT, 1843b : pl. 67.

TYPE LOCALITY : Colombia, Dept. Tolima, Mount Tolima.

“... Tolima Mt du...”, ex PETIT, two syntypes, one designated lectotype : shell height 37 mm, diameter 24.5 mm.

Bothriembryon melo (Quoy & Gaimard, 1832) (Pl. V, 3)

Helix melo Quoy & Gaimard, 1832 : 109, pl. 9, fig. 4-7.

TYPE LOCALITY : Western Australia, King George Sound.

“Nouvelle Hollande”, ex QUOY & GAIMARD. Lectotype (shell height 25 cm) and nine paralectotypes.

Bothriembryon kingii (Gray, 1825) (Pl. VI, 6)

Helix trilineata Quoy & Gaimard, 1832 : 107, pl. 9, fig. 4-3.

TYPE LOCALITY : Western Australia, King George Sound.

“Port du Roi Georges”, ex QUOY & GAIMARD, seven specimens, one designated lectotype of *trilineata* : shell height 27 mm, diameter 13.2 mm.

Placostylus (Placostylus) alexander (Crosse, 1855)

Bulimus alexander Crosse, 1855a : 34. — CROSSE, 1855b : 83, pl. 4, fig. 2-3.

Placostylus alexander var. δ Crosse, 1870d : 414.

TYPE LOCALITY : New Caledonia, Ina near Ouagap.

“Ina près Wayap”, ex CROSSE ex MARIE. Holotype of *alexander* : shell height 79 mm, diameter 49 mm (Coll. JC). “Ouagap”, ex CROSSE ex MARIE. Holotype of variety : shell height 101 mm, diameter 65 mm (Coll. JC). Adequately figured by CROSSE.

Placostylus (Placostylus) bondeensis (Crosse & Souverbie, 1869)

Bulimus bondeensis Crosse & Souverbie, 1869 : 270, pl. 8, fig. 1.

TYPE LOCALITY : New Caledonia, Bondé.

“Bondè, N. Cal.”, ex CROSSE & SOUVERBIE ex MARIE, one syntype (shell height 71 mm, diameter 40 mm). According to the label accompanying this specimen the ‘type’ is in the Bordeaux Museum.

Placostylus (Placostylus) duplex (Gassies, 1871)

Bulimus duplex Gassies, 1871 : 64.

Placostylus duplex, Crosse, 1894 : pl. 9, fig. 3.

TYPE LOCALITY : New Caledonia, Ile Nou.

“ Ile Nou ”, “ type de l'auteur ”, ex GASSIES. Holotype : shell height 66 mm, diameter 34.5 mm (Coll. JC). Adequately figured by CROSSE.

Placostylus (Placostylus) eddystonensis (Pfeiffer, 1855)

Bulimus hienguensis Crosse, 1871c : 181. — CROSSE, 1875 : pl. 8, fig. 3.

TYPE LOCALITY : New Caledonia.

“ Wagap ”, ex CROSSE ex ROSSITER. Holotype of *hienguensis* : shell height 67.5 mm, diameter 31.5 mm (Coll. JC).

Placostylus (Placostylus) houailouensis Dautzenberg, 1901

Placostylus houailouensis Dautzenberg, 1901c : 301, pl. 8, fig. 4-5.

TYPE LOCALITY : New Caledonia, Huailu.

Holotype, ex DAUTZENBERG, shell height 75 mm, diameter 38 mm (Coll. JC). Adequately figured by DAUTZENBERG. Considered to be a synonym of *Placostylus kanalensis* by FRANC (1956).

Placostylus (Placostylus) kanalensis (Crosse, 1869)

Bulimus souvillei kanalensis Crosse, 1869a : 69.

Placostylus kanalensis, Crosse, 1894 : pl. 10, fig. 1.

TYPE LOCALITY : New Caledonia, Kanala.

“ Kanala, N. Cal. ”, ex CROSSE, holotype : shell height 81 mm, diameter 41.5 mm (Coll. JC). Adequately figured by CROSSE.

Placostylus (Placostylus) fibratus (Martyn, 1789)

Placostylus leucolenus Crosse, 1895 : 80, pl. 5, fig. 6.

TYPE LOCALITY : [New Caledonia].

“ Iles des Pins, N. Cal. ”, ex CROSSE. Holotype of *leucolenus* : shell height 71 mm, diameter 39 mm (Coll. JC). Adequately figured by CROSSE.

Placostylus (Placostylus) mariei (Crosse & Fischer, 1867)

Bulimus mariei Crosse & Fischer in CROSSE, 1867b : 187, pl. 7, fig. 1-3 (incl. var. β).
Bulimus submariei Souverbie, 1869 : 273. — SOUVERBIE, 1870 : 76, pl. 9, fig. 2.

TYPE LOCALITY : New Caledonia, Bondé.

“Gatope”, ex CROSSE & FISCHER ex MARIE, holotype of *Bulimus mariei* : shell height 68 mm, diameter 38 mm and one specimen of var. β “Bondé, Nouvelle Calédonie”, ex SOUVERBIE, one syntype. According to label accompanying this specimen the ‘type’ of *Bulimus submariei* is preserved in the Bordeaux Museum.
 All Coll. JC and adequately figured by the authors.

Placostylus (Placostylus) monackensis Crosse, 1887

Placostylus duplex monackensis Crosse, 1887 : 305.
Placostylus monackensis, Crosse, 1894 : pl. 9, fig. 4.

TYPE LOCALITY : New Caledonia, Ille Mouack.

“Ille Monack”, ex CROSSE. Holotype : shell height 77.5 mm, diameter 35.5 mm (Coll. JC). Adequately figured by CROSSE. Considered to be a synonym of *Placostylus duplex* (Gassies) by FRANC (1956).

Placostylus (Placocharis) palmarum (Mousson, 1869)

Bulimus palmarum Mousson, 1869 : 62, pl. 4, fig. 5.

TYPE LOCALITY : Solomon Islands, San Cristobal Island.

“Makite”, given by MOUSSON. According to TURNER and CLENCH (1972 : 222) this species only occurs on Guadacanal, Savo and Florida Islands. Two specimens, ex MOUSSON. Paraleotypes. Lectotype in Zoologisches Museum, Universität Zürich. Designated and refigured by BREURE (1974c).

Placostylus (Euplacostylus) kantavuensis (Crosse, 1870)

Bulimus kantavuensis Crosse, 1870b : 250. — CROSSE, 1871b : pl. 5, fig. 3.

TYPE LOCALITY : Fiji Islands, Kandavu Island.

“Kantavu, Viti”, ex CROSSE. Holotype : shell height 43.5 mm, diameter 16.5 mm (Coll. JC). Adequately figured by CROSSE.

Aspastus (Callistocharis) gracilis (Broderip, 1840) (Pl. V, 2)

Bulimus fulgoratus Jay, 1842 : 80. — JAY, 1843 : pl. 62.

TYPE LOCALITY : Fiji Islands.

“Océanie”, ex PETIT ex JAY. One syntype, designated lectotype : shell height 48 mm, diameter 24 mm.

Aspastus (Callistocharis) malleatus (Jay, 1842) (Pl. IV, 4)

Bulinus malleatus Jay, 1842 : 80. — JAY, 1843 : pl. 63.

TYPE LOCALITY : Fiji Islands.

“?”, ex PETIT ex JAY. One syntype, designated lectotype : shell height 56.5 mm, diameter 31 mm.

Aspastus (Leucocharis) pancheri (Crosse, 1870)

Bulimus pancheri Crosse, 1870a : 137. — CROSSE, 1870d : pl. 13, fig. 7.

Bulimus pancheri candida Crosse, 1872 : 226. — CROSSE, 1874a : pl. 2, fig. 5.

TYPE LOCALITY : New Caledonia, “Boulari” [= Bourail ?].

“Boulari, N. Cal.”, ex CROSSE ex MARIE. Holotype of *pancheri* : shell height 32 mm, diameter 16 mm. “N. Caledonie”, ex CROSSE. Holotype of var. *candida* : shell height 36 mm, diameter 18 mm (both Coll. JC). Adequately figured by CROSSE.

Aspastus (Poecilocharis) bicolor (Hartman, 1889)

Placostylus (Charis) francoisi Mabille, 1895b : 410.

Placostylus (Charis) hebridarum Mabille, 1895b : 410.

TYPE LOCALITY : New Hebrides, Espíritu Santo (SOLEM, 1959 : 137).

“Îles Hébrides”, ex MABILLE ex FRANÇOIS, four syntypes, one designated lectotype of *Placostylus francoisi* : shell height 35.5 mm, diameter 16.5 mm. “Îles Hébrides”, ex MABILLE ex FRANÇOIS, two syntypes, one designated lectotype of *Placostylus hebridarum* : shell height 38.5 mm, diameter 18.5 mm.

Simpulopsis (Simpulopsis) sulculosa (Férussac, 1821)

Helix (Cochlohydra) sulculosa Férussac, 1821 : 27. — FÉRUSSAC, 1821, in FÉRUSSAC & DESHAYES, 1820-1851 : pl. 11A, fig. 6.

TYPE LOCALITY : Brazil, Rio de Janeiro (here restricted).

“Rio de Janeiro”, ex FÉRUSSAC, four syntypes.

Peltella palliolum (Férussac, 1821)

Parmacella palliolum Férussac, 1821 : 25. — FÉRUSSAC, 1822, in FÉRUSSAC & DESHAYES, 1820-1851 : pl. 7A, fig. 1-9.

TYPE LOCALITY : Brazil.

“Brésil”, ex FÉRUSSAC, one specimen preserved in alcohol, without shell, designated lectotype.

Amphibulima tigrina (Lesueur, 1821)

Helix (Cochlohydra) tigrina Lesueur in FÉRUSSAC, 1821 : 26 [nomen nudum]. — LESUEUR, 1821, in FÉRUSSAC & DESHAYES, 1820-1851 : pl. 11A, fig. 4.

TYPE LOCALITY : West Indies, St. Vincent.

“St. Vincent”, ex LESUEUR, four syntypes. “St. Domingue et St. Vincent”, ex LESUEUR ex KRAUSS, five syntypes.

Pellicula depressa (Rang, 1835)

Succinea depressa Rang, 1835 : pl. 55 + text.

TYPE LOCALITY : West Indies, Guadeloupe.

“Guadeloupe”, ex FÉRUSSAC ex RANG, two syntypes, partly damaged.

Hyperaulax (Bonnanius) ramagei (Smith, 1890) (Pl. X, 1)

Bonnanius bouvieri Jousseaume, 1900 : 39, pl. 1, fig. 19.

TYPE LOCALITY : Brazil, Fernando Noronha Island.

Holotype of *bouvieri*, ex JOUSSEAUME, shell height 22.5 mm, diameter 15.4 mm.

Cyclodontina (Moricandia) bouvieri (Dautzenberg, 1896)

Bulimulus (Goniostomus) bouvieri Dautzenberg, 1896 : 222, pl. 7, fig. 1.

Bulimulus (Goniostomus) bouvieri alba Dautzenberg, 1896 : 223, pl. 7, fig. 2.

TYPE LOCALITY : Brazil, Pernambuco.

“Pernambouc”, ex DAUTZENBERG. Holotype of *bouvieri* : shell height 30 mm, diameter 14.1 mm. “Pernambouc”, ex DAUTZENBERG. Holotype of var. *alba* : shell height 31.5 mm, diameter 14.5 mm (both Coll. JC). Adequately figured by DAUTZENBERG.

Spixia striata (Spix, 1827)

Pupa spixii major d'Orbigny, 1837 [1834-1847] : 320.

Pupa spixii minor d'Orbigny, 1837 [1834-1847] : 320.

TYPE LOCALITY : Brazil, São Paulo.

“Corrientes”, ex d'ORBIGNY, five syntypes. “Chiquitos, Monte Gde”, ex d'ORBIGNY, five syntypes. “var. minor, Chiquitos”, ex d'ORBIGNY, four syntypes.

Plagiodontes kuhnholtzianus (Crosse, 1870) (Pl. VI, 3 ; pl. VII, 5)

Bulimus kuhnholtzianus Crosse, 1870c : 301. — CROSSE, 1871a : pl. 4, fig. 3.

TYPE LOCALITY : Uruguay, Moutevideo.

"Montevideo", ex CROSSE ex HIDALGO. Holotype : shell height 19 mm, diameter 6.4 mm (Coll. JC).

Plagiodontes patagonicus (d'Orbigny, 1835) (Pl. V, 4; pl. X, 4)

Helix patagonica d'Orbigny, 1835 : 22.

Pupa sowerbiana patagonica, d'Orbigny, 1837 [1834-1847] : pl. 141bis, fig. 17-18.

TYPE LOCALITY : Argentina, Prov. Buenos Aires, Bahía Blanca.

"Baie Blanche", ex d'ORBIGNY, two syntypes, one designated lectotype : shell height 22.5 mm, diameter 11 mm.

Anostoma (Ringicella) ringens (Linné, 1758) (Pl. X, 3)

Helix (Helicodonta) ringicula FéruSSAC, 1821 : 35. — FÉRUSSAC, 1822, in FÉRUSSAC & DESHAYES, 1820-1851 : pl. 53, fig. 1-2.

TYPE LOCALITY : [Brazil]. Cf. BARROS ARAUJO, 1963.

"Gdes Indes", ex FÉRUSSAC, one syntype "conforme aux fig." (CHEVALLIER, 1965 : 486), designated lectotype of *ringicula* : shell height 10.9 mm, diameter 18.5 mm.

Sultana (Methorthalicus) kelletti (Reeve, 1850)

Bulimus jungairinoi Hidalgo, 1867 : 72, pl. 4, fig. 4 [typographical error for *fungairinoi*, cf. l.c. p. 468].

TYPE LOCALITY : Ecuador, Quito.

"Quito", ex HIDALGO, one syntype, designated lectotype of *fungairinoi* : shell height 58 mm, diameter 30.5 mm (Coll. JC). Adequately figured by HIDALGO.

Orthalicus melanocheilus (Valenciennes, 1833) (Pl. V, 1)

Bulimus melanocheilus Valenciennes, 1833 : 246, pl. 55, fig. 3a-b.

TYPE LOCALITY : [Mexico].

"Nouv. Espagne", ex VALENCIENNES. One specimen, selected as lectotype : shell height 43 mm, diameter 24.5 mm.

Only tentatively treated as a distinct species. PILSBRY (1899 : 122) writes : "the original specimen may have been either *O. ferussaci tricincta* or *O. maracaibensis imitator*... but probably future collections will show its genesis by bringing intermediate forms to light; and it may then prove to be merely a form of some flammulate species, probably *princeps* or *ferussaci*, rather than an independent species". It may be noted that *Bulimus melanocheilus* Valenciennes, 1833, has priority over *Orthalicus ferussaci* Martens, 1864, while *Bulimus princeps* "Broderip" Sowerby, 1833, was also published in 1833. The revision of the Orthalicinae by STREBEL (1909) supplies no new data about this species.

Types of the following species, though expected to have been kept in the collections of the Paris museum, have not been traced here :

- alauda*, *Bulimus*, Hupé, 1857
aldunatea, *Helix chilensis*, Hupé, 1854
alvarezii, *Helix*, d'Orbigny, 1835
augusti, *Porphyrobaphe*, Jousseaume, 1887
boussingaultii, *Bulimus*, Hupé, 1857
brepoides, *Helix*, d'Orbigny, 1835
chanchamayensis, *Bulimus*, Hidalgo, 1870
chaperi, *Bulimulus*, Crosse & Fischer, 1893
chilensis, *Bulimus*, Lesson, 1831 ?
chrysocila, *Bulimus annibal*, Crosse, 1870
cora, *Helix*, d'Orbigny, 1835
corydon, *Bulimus*, Crosse, 1869
cuernavacensis, *Bulimulus (Scutalus)*, Crosse & Fischer, 1872
curta, *Placostylus layardi*, Crosse, 1894
danieli, *Bulimus*, Crosse, 1855
deshayesianum, *Anostoma*, Fischer, 1857
elongata, *Helix*, d'Orbigny, 1835
feisthameli, *Bulimus*, Hupé, 1854
gabbi, *Bulimulus (Scutalus)*, Crosse & Fischer, 1872
gatopensis, *Placostylus guestieri*, Crosse, 1870
gibbonius, *Bulimus*, Hidalgo, 1870
goyettensis, *Placostylus poyensis*, Crosse, 1894
gracilior, *Bulimulus (Scutalus) cucullus*, Crosse & Fischer, 1875
graeffei, *Bulimus (Placostylus)*, Crosse, 1875
grammica, *Bulimus fibratus*, Crosse, 1870
guarani, *Helix*, d'Orbigny, 1835
hauxwelli, *Bulimus*, Crosse, 1872
hombronii, *Bulimus*, Crosse, 1871
incisus, *Bulimus*, Hupé, 1857
intermedius, *Bulimus pseudocalledonius*, Crosse, 1867
iodostomus, *Bulimus*, Deville & Hupé, 1850
istapensis, *Bulimulus*, Crosse & Fischer, 1873
jatesi, *Bulimus*, Hupé, 1857
jussieui, *Bulimus*, Hupé, 1857
leucochilus, *Orthalicus*, Fischer & Crosse, 1869
lherminieri, *Bulimus*, Fischer, 1857
lifouanus, *Bulinus ouveanus*, Crosse, 1869
loroisiatus, *Bulimus*, Hupé, 1857
lynchiculus, *Bulimus*, Deville & Hupé, 1850
mareana, *Bulimus fibratus*, Crosse, 1870
membrielinus, *Bulimus*, Crosse, 1867
miliola, *Helix*, d'Orbigny, 1835

- nigricans*, *Bulinus souvillei*, Crosse, 1864
obductus, *Orthalicus*, Fischer & Crosse, 1873
onca, *Helix*, d'Orbigny, 1835
oreades, *Helix*, d'Orbigny, 1835
ovata, *Placostylus fibratus*, Crosse, 1894
pallidula, *Placostylus fibratus*, Crosse, 1894
phlogera, *Helix*, d'Orbigny, 1835
pfeifferi, *Orthalicus*, Hidalgo, 1869
pochutlensis, *Bulinulus (Thaumastus) tryoni*, Crosse & Fischer, 1877
progastor, *Helix*, d'Orbigny, 1835
punctatissimus, *Clausilia*, Lesson, 1830
regalis, *Bulinus*, Hupé, 1857
regina, *Bulinus*, Hupé, 1857
revinctus, *Bulinus*, Hupé, 1857
rhodinostoma, *Helix*, d'Orbigny, 1835
rubescens, *Succinea*, Deshayes, 1831
sargi, *Bulinulus*, Crosse & Fischer, 1875
sinplex, *Placostylus marieei*, Crosse, 1894
sinistralis, *Liguus*, Crosse, 1891
sinistrosa, *Bulinus fibratus*, Crosse, 1881
sordidus, *Helix*, Lesson, 1830
subulatus, *Bulinus pseudocaledonicus*, Crosse, 1867
tanoueensis, *Bulinus scarabus*, Crosse, 1894
tryoni, *Bulinulus (Thaumastus)*, Crosse & Fischer, 1877
ucayalensis, *Bulinus*, Crosse, 1871
verreauxianum, *Anostoma*, Hupé, 1857

INDEX

The following abbreviations indicate the status of the specimens : H — holotype ; L — lectotype ; PL — paratypes ; S — syntypes. The type of the species marked with an asterick has been figured in the present paper. Names in romans are synonyms.

A

<i>abyssorum</i> d'Orbigny (L) *	1149
<i>acholus</i> Mabille (L)	1148
<i>alausiensis</i> Cousin (L) *	1141
<i>alba</i> Dautzenberg (H).....	1158
<i>albicans</i> Mazé (L)	1152
<i>alexander</i> Crosse (H)	1154
<i>andai</i> Jousseaume (L) *	1149
<i>apodemetes</i> d'Orbigny (S)	1145
<i>argenteus</i> Jousseaume (H) *	1138
<i>attenuata</i> Dautzenberg (H)	1140

B

<i>baeri</i> Dautzenberg (H)	1140
<i>baezensis</i> Hidalgo (H) *	1149
<i>beldingi</i> Cooper.....	1148
<i>beyerleanus</i> Hupé (L) *	1149
<i>bicolor</i> Hartman.	1157
<i>bolivarii</i> d'Orbigny (L) *	1150
<i>bonariensis sporadicus</i> d'Orbigny.....	1145
<i>bondeensis</i> Crosse & Souverbie (S)	1154
<i>bonneti</i> Ancey (H) *	1141
<i>bouvieri</i> Dautzenberg (H)	1158

bouvieri Jousseaume (H) *	1158	
bouvieri alba, see alba Dautzenberg		H
brachysoma d'Orbigny (S)	1150	
C		
cacotycus Mabille (L)	1148	
candida Crosse (H).....	1157	
colmeiroi Hidalgo (H) *	1153	
cosmicus Mabille (L)	1148	
cousini Jousseaume (H) *	1143	
crepundia d'Orbigny (L) *	1146	
cucullus Morelet (S)	1150	
culmineus d'Orbigny (L) *.	1143	
culmineus culmineus d'Orbigny.	1143	
culmineus lithoicus d'Orbigny.....	1143	
		I
D		
depressa Rang.	1158	
devillei Deville & Hupé (L)	1140	
diaphanus fraterculus Potiez & Michaud.	1145	
dismenicus Mabille (H).....	1148	J
distortus guariensis Jousseaume	1138	
draparnaudii Pfeiffer	1150	
dunkeri forrieri, see forrieri Mousson		
duplex Gassies (H).....	1155	
duplex monackensis, see monackensis Crosse		K
E		
eddystonensis Pfeiffer	1155	
elongatus Röding	1151	
excelsus Gould.....	1148	
F		L
fayssianus Petit (L) *....	1141	
fibratus Martyn	1155	
floccosus Spix	1138	
flori Jousseaume (H) *.	1139	
forrieri Mousson (H) *	1150	
francoisi Mabille (L)	1157	
fraterculus Potiez & Michaud (L).....	1145	
fulgoratus Jay (L) *	1156	
fungairinoi Hidalgo (L)	1159	
fusoides d'Orbigny (L) *.....	1151	
G		M
goudotii Petit (L) *.....	1154	
gracilis Broderip.....	1156	
guariensis Jousseaume (H) *	1138	

hebridarum Mabille (L)	1157
hienguensis Crosse (H)	1155
houailouensis Dautzenberg (H).	1155
houelmontensis Mazé (H).....	1145
huayaboensis Dautzenberg (H).....	1140
huayaboensis attenuata, see attenuata Dautzenberg	
huayaboensis rufidis, see rufidis Dautzenberg	
hygroglylaeus d'Orbigny (S)	1151
I	
inca d'Orbigny (S).....	1139
iocosensis Dautzenberg (H).....	1141
J	
jousseaumei Dautzenberg (H).....	1151
juana Cousin (L) *	1141
jungairinoi Hidalgo	1159
K	
kanalensis Crosse (H).....	1155
kantavuensis Crosse (H).....	1156
kelletti Reeve.....	1159
kingii Gray.	1154
kuhnholzianus Crosse (H) *	1158
L	
leucoleucus Crosse (H)	1155
limnoides Féussac (H).	1145
limonoicus d'Orbigny (L) *	1141
linostoma d'Orbigny (L) *	1151
lithoicus d'Orbigny (L) *	1143
lophoicus d'Orbigny L).	1151
M	
mabilieei Crosse (H).....	1139
major d'Orbigny (S)	1158
malleatus Jay (L) *	1157
mariei Crosse & Fischer (H)	1156
marmorinus d'Orbigny (L) *	1152
mazei Crosse (H).....	1146
melanocheilus Valenciennes (L) *	1159

<i>melo</i> Quoy & Gaimard (L) *	1154	<i>simplex</i> Beck	1145
<i>minor</i> d'Orbigny (S)	1158	<i>simplex</i> Hupé (L)	1145
<i>monackensis</i> Crosse (H)	1156	<i>simplex</i> Jonas	1145
<i>montivagus</i> d'Orbigny (S)	1146	<i>sisalensis</i> Morelet (L) *	1152
<i>multifasciatus</i> Lamarck	1152	<i>smeurorum</i> Breure	1145
<i>multifasciatus albicans</i> , see <i>albicans</i> Mazé		<i>souvillei kanalensis</i> , see <i>kanalensis</i> Crosse	
<i>multilineatus</i> Say	1152	<i>soweriana patagonica</i> , see <i>patagonicus</i> d'Orbigny	
<i>munsteri</i> d'Orbigny (S)	1147	<i>spixii major</i> , see <i>major</i> d'Orbigny	
N			
<i>nivalis</i> d'Orbigny (L) *	1143	<i>spixii minor</i> , see <i>minor</i> d'Orbigny	1145
<i>nuciformis</i> Petit (L)	1147	<i>spcradicus</i> d'Orbigny (S)	1158
<i>nux</i> Broderip	1147	<i>striata</i> Spix	1156
O			
<i>crobaenius</i> d'Orbigny (L) *	1139	<i>submariei</i> Souverbie (S)	1148
P			
<i>palliolum</i> Féruccac (L)	1157	<i>subspirifer</i> Mabille (L)	1148
<i>palmarum</i> Mousson (PL)	1156	<i>sufflatus</i> Gould	1148
<i>pancheri</i> Crosse (H)	1157	<i>sulculosa</i> Fér.	1157
<i>pancheri candida</i> , see <i>candida</i> Crosse			
<i>patagonicus</i> d'Orbigny (L) *	1159		
<i>pazianus</i> d'Orbigny (L) *	1147		
<i>pentadina</i> d'Orbigny (H) *	1138		
<i>peruvianus</i> Bruguère (L) *	1143		
<i>pluto</i> Crosse (H)	1144		
<i>poecilus</i> d'Orbigny (S)	1152		
<i>prcmethus</i> Crosse (H)	1144		
R			
<i>rabuti</i> Jousseaume (L) *	1152		
<i>ramagei</i> Smith	1158		
<i>recognitus</i> Mabille (L)	1148		
<i>rhodolarynx</i> Reeve	1140	<i>virgulata</i> Féruccac (S)	1151
<i>ringens</i> Linné	1159	<i>visendus</i> Hidalgo (L) *	1153
<i>ringicula</i> Féruccac (L) *	1159		
<i>rivasii</i> d'Orbigny (S)	1147		
<i>rocayanus</i> d'Orbigny (L)	1147		
<i>rouaulti</i> Hupé (L) *	1142		
<i>rudis</i> Dautzenberg (H)	1140		
<i>rugosus</i> Valenciennes (L)	1152		
<i>rusticellus</i> Morelet (L) *	1143		
S			
<i>scoliodes</i> Dautzenberg (H)	1149		
<i>semipictus</i> (L) *	1139		
T			
<i>tatutor</i> Jousseaume (H) *		<i>tatur</i> Jousseaume (H) *	1139
<i>thamnoicus</i> d'Orbigny (L) *		<i>thamnoicus</i> d'Orbigny (L) *	1144
<i>tigrina</i> Lesueur (S)		<i>tigrina</i> Lesueur (S)	1158
<i>torallyi</i> d'Orbigny (L) *		<i>torallyi</i> d'Orbigny (L) *	1146
<i>trichodes</i> d'Orbigny (S)		<i>trichodes</i> d'Orbigny (S)	1147
<i>tricolor semipectus</i> Hidalgo		<i>tricolor semipectus</i> Hidalgo	1139
<i>trilineata</i> Quoy & Gaimard (L) *		<i>trilineata</i> Quoy & Gaimard (L) *	1154
<i>tropicalis</i> Morelet (S)		<i>tropicalis</i> Morelet (S)	1153
<i>tupacii</i> d'Orbigny (L) *		<i>tupacii</i> d'Orbigny (L) *	1144
<i>turritella</i> Féruccac		<i>turritella</i> Féruccac	1146
<i>turritella d'Orbigny</i> (L) *		<i>turritella d'Orbigny</i> (L) *	1146
<i>turritellatus</i> Beck		<i>turritellatus</i> Beck	1146
<i>tyleri</i> Dall		<i>tyleri</i> Dall	1145
U			
<i>umbilicaris</i> Souleyet (L) *		<i>umbilicaris</i> Souleyet (L) *	1140
V			
<i>virgulata</i> Féruccac (S)		<i>virgulata</i> Féruccac (S)	1151
<i>visendus</i> Hidalgo (L) *		<i>visendus</i> Hidalgo (L) *	1153
W			
<i>weddelii</i> Hupé (L) *		<i>weddelii</i> Hupé (L) *	1144
X			
<i>xanthostoma</i> d'Orbigny (L) *		<i>xanthostoma</i> d'Orbigny (L) *	1153
Z			
<i>zoographicus</i> d'Orbigny (L) *		<i>zoographicus</i> d'Orbigny (L) *	1153

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PLANCHE I

1. — *Drymaeus linostoma* (d'Orbigny), lectotype.
2. — *Drymaeus baezeensis* (Hidalgo), holotype.
3. — *Scutalus culmineus culmineus* (d'Orbigny), lectotype.
4. — *Drymaeus lophoicus* (d'Orbigny), lectotype.
5. — *Drymaeus visendus* (Hidalgo), lectotype.
6. — *Drymaeus zoographicus* (d'Orbigny), lectotype.



PLANCHE I

PLANCHE II

1. — *Drymaeus dunkeri forneri* (Mousson), holotype.
2. — *Drymaeus beyerleanus* (Hupé), lectotype.
3. — *Scutalus tupaci* (d'Orbigny), lectotype.
4. — *Drymaeus andai* (Jousseaume), lectotype.
5. — *Cochlorina scoliodes* (Dautzenberg), holotype.
6. — *Drymaeus xanthostomus* (d'Orbigny), lectotype.

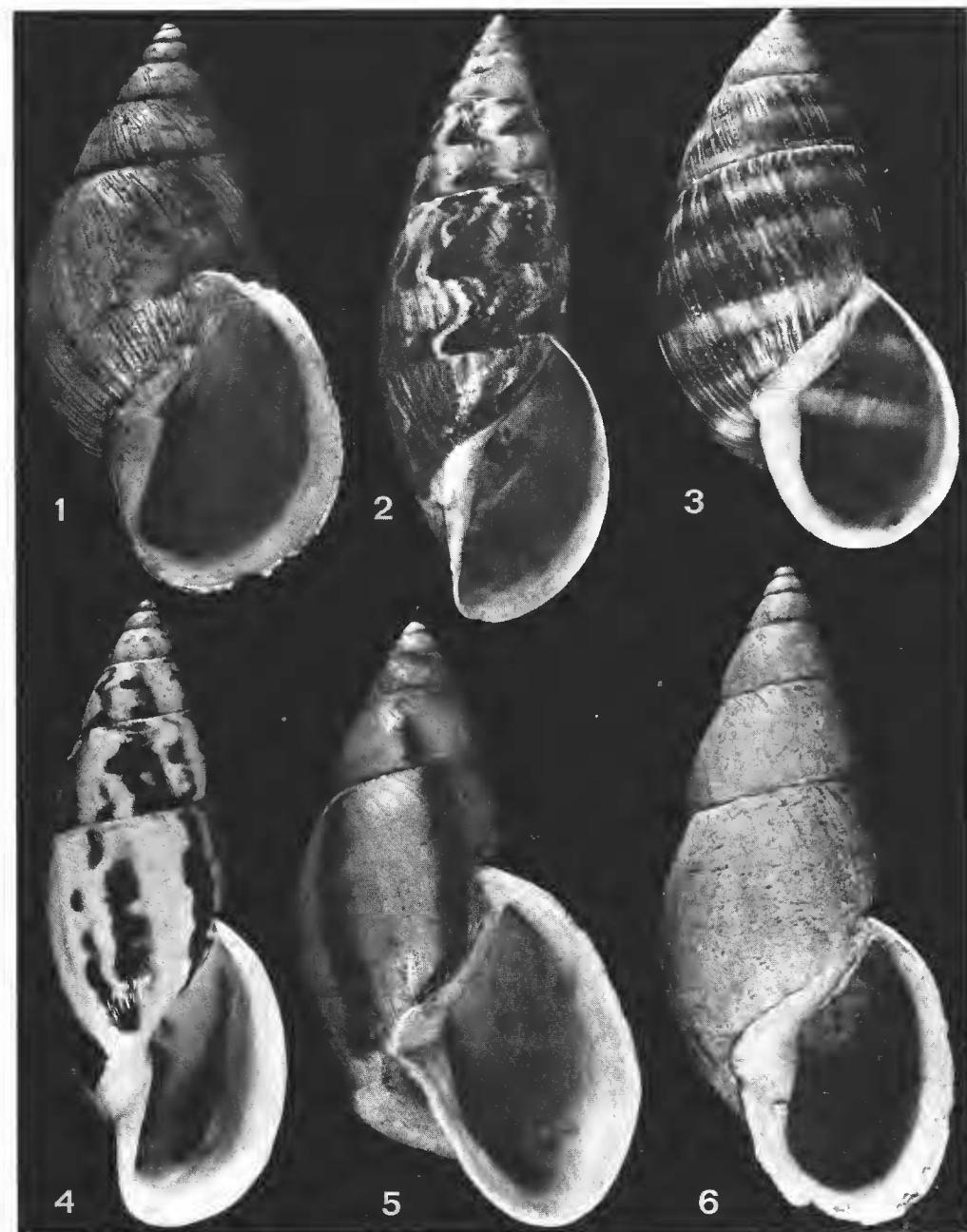


PLANCHE II

PLANCHE III

1. — *Scutalus culmineus lithoicus* (d'Orbigny), lectotype.
2. — *Plectostylus peruvianus* (Bruguière), lectotype.
3. — *Scutalus weddelli* (Hupé), lectotype.
4. — *Drymaeus marmorinus* (d'Orbigny), lectotype.
5. — *Eudolichotis distortus guariensis* (Jousseaume), holotype.
6. — *Thaumastus (Scholvienia) orobaenus* (d'Orbigny), lectotype.



PLANCHE III

PLANCHE IV

1. — *Scutalus thamnoicus* (d'Orbigny), lectotype.
2. — *Drymaeus boliviarii* (d'Orbigny), lectotype.
3. — *Drymaeus fusoides* (d'Orbigny), lectotype.
4. — *Aspastus (Callistocharis) malleatus* (Jay), lectotype.
5. — *Drymaeus rabuti* (Jousseaume), lectotype.



PLANCHE IV

PLANCHE V

1. — *Orthalicus melanocheilus* (Valenciennes), lectotype.
2. — *Aspastus (Callistocharis) gracilis* (Broderip), lectotype of *Bulimus fulgureus* Jay.
3. — *Bothriembryon melo* (Quoy & Gaimard), lectotype.
4. — *Plagiodontes patagonicus* (d'Orbigny), lectotype.
5. — *Plekocheilus (Eurytus) floccosus* (Spix), holotype of *Helix pentadina* d'Orbigny.



PLANCHE V

PLANCHE VI

1. — *Thaumastus (Thaumastus) flori* (Jousseaume), holotype.
2. — *Scutalus cousinii* (Jousseaume), holotype.
3. — *Plagiodontes kuhnholtzianus* (Crosse), holotype.
4. — *Peronaeus (Lissoacme) alausiensis* (Cousin), lectotype.
5. — *Peronaeus (Lissoacme) juana* (Cousin), lectotype.
6. — *Bothriembryon kingii* (Gray), lectotype of *Helix trilineata* Quoy & Gaimard.



1



2



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4



5



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PLANCHE VI

PLANCHE VII

1. — *Thaumastus (Thaumastus) tatutor* (Jousseaume), holotype.
2. — *Drymaeus abyssorum* (d'Orbigny), lectotype.
3. — *Stenostylus goudotii* (Petit), lectotype.
4. — *Plekocheilus (Eurytus) argenteus* (Jousseaume), holotype.
5. — *Plagiodontes kuhnholtzianus* (Crosse), dentition of aperture.

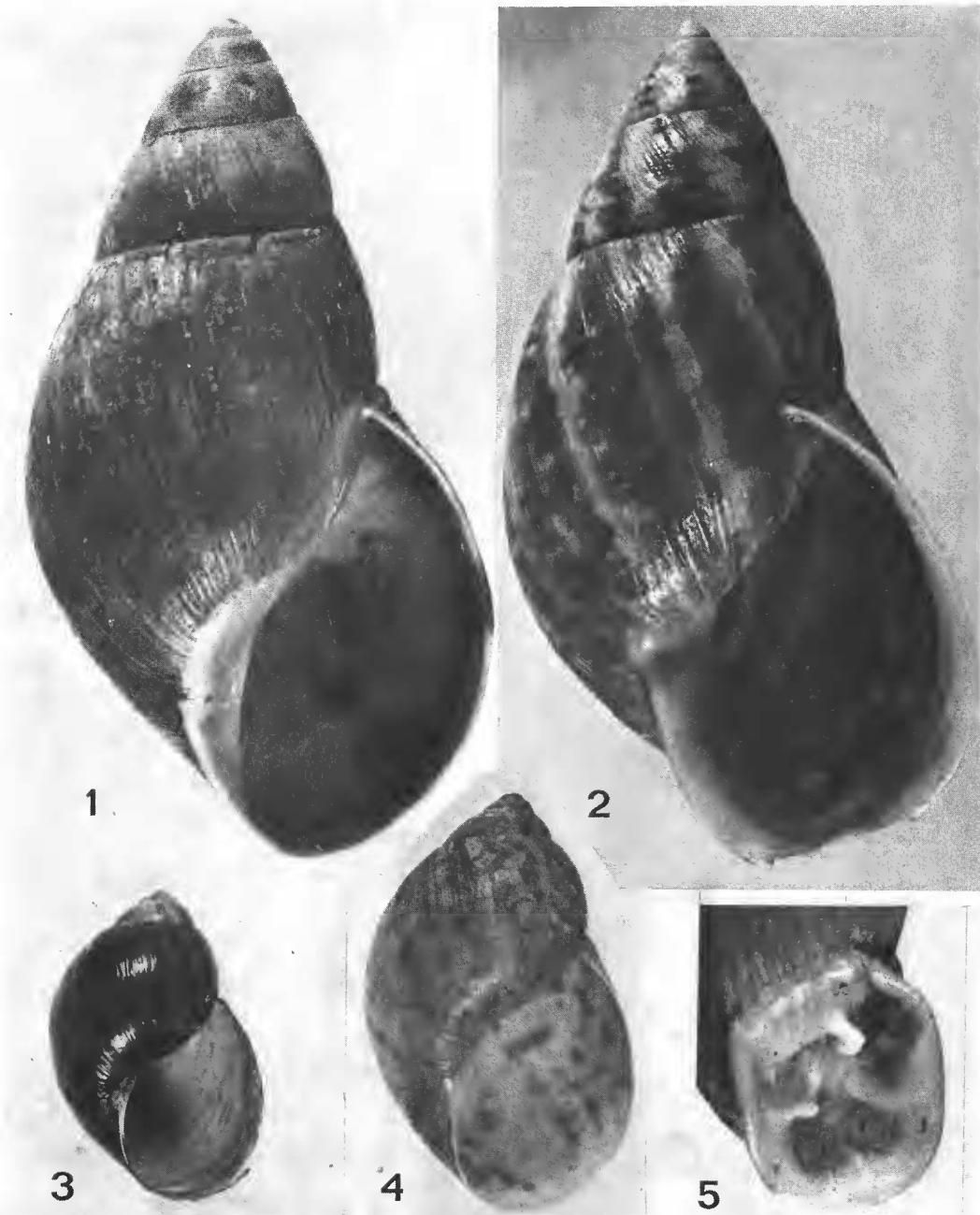


PLANCHE VII

PLANCHE VIII

1. — *Naesiotus pazianus* (d'Orbigny), lectotype.
2. — *Drymaeus cf. draparnaudi* (Pfeiffer), specimen corresponding to pl. 32, fig. 3, in *Voy. Amér. mérid.*
3. — *Drymaeus multilineatus* (Say), lectotype of *Bulimus sisalensis* Morelet.
4. — *Bulimulus (?) torallyi* (d'Orbigny), lectotype.
5. — *Naesiotus crepundia* (d'Orbigny), lectotype.
6. — *Bulimulus (Bulimulus) turritelatus* Beck, lectotype of *Helix turritella* d'Orbigny.

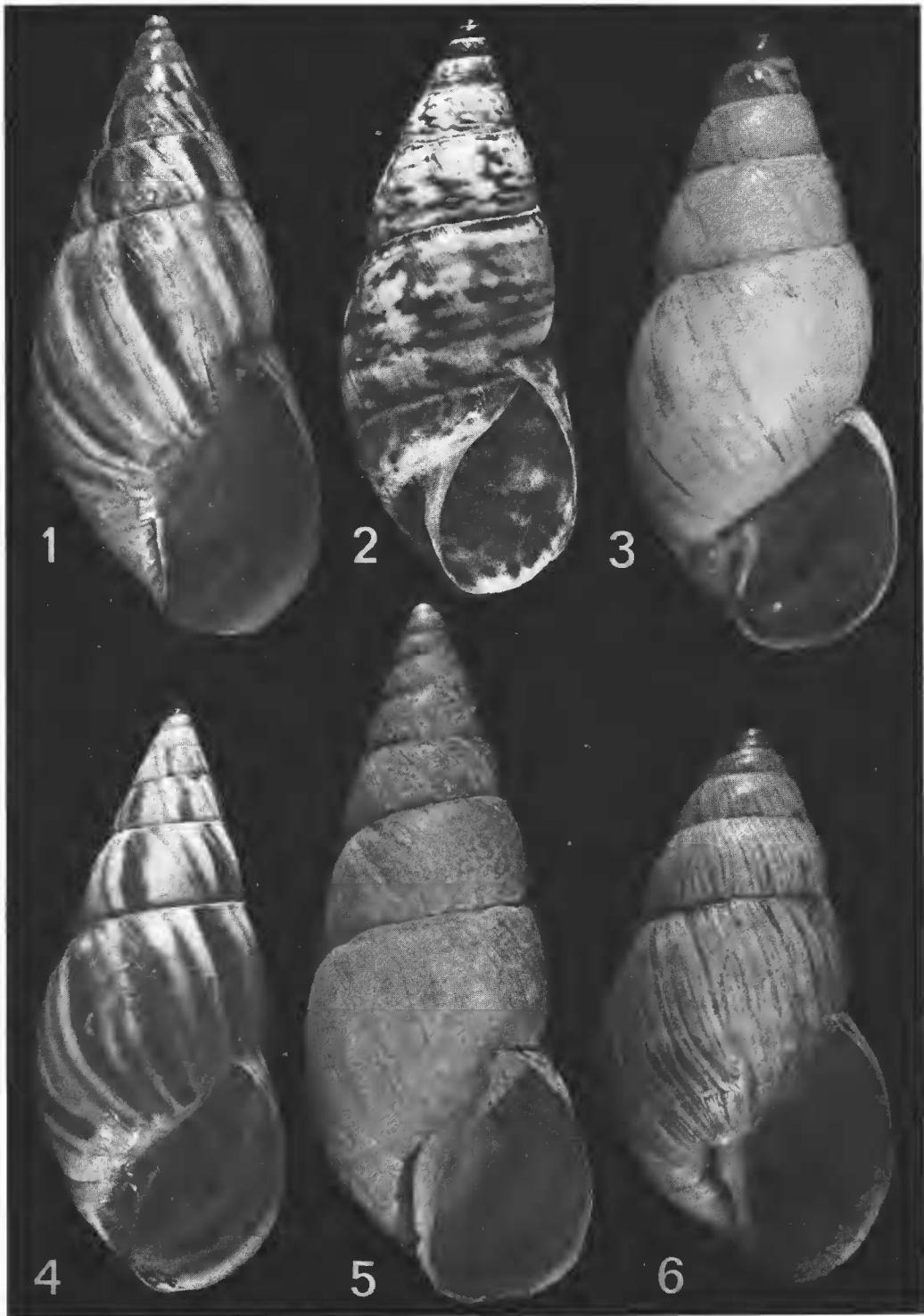


PLANCHE VIII

PLANCHE IX

1. — *Peronaeus (Lissoacme ?) bonneti* (Ancey), holotype.
2. — *Bostryx (Pampasinus) rhodolarynx* (Reeve), lectotype of *Bulinus devillei* Deville & Hippé.
3. — *Peronaeus (Lissoacme) rusticellus* (Morelet), lectotype. .
4. — *Peronaeus (Lissoacme) fayssianus* (Petit), lectotype.

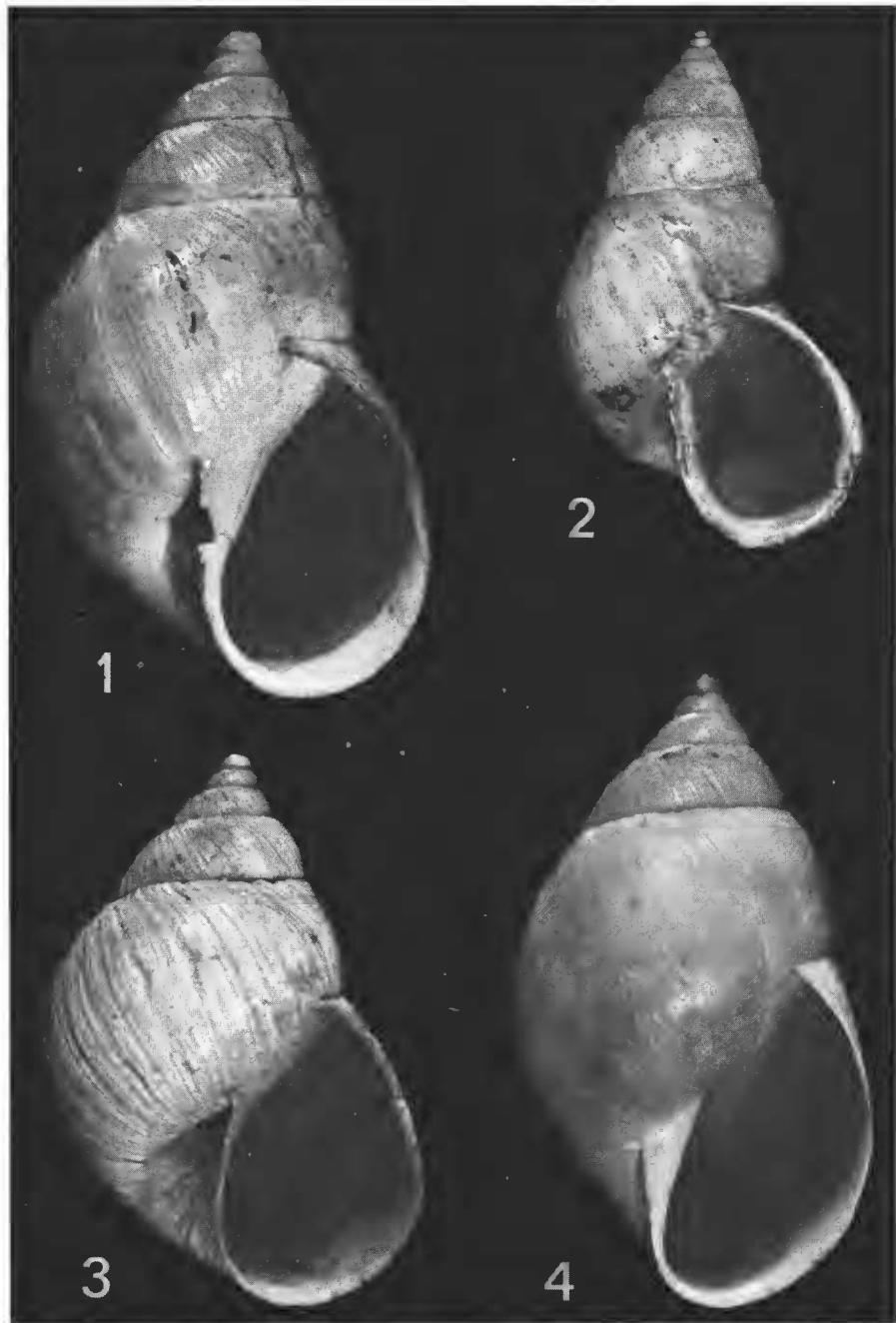


PLANCHE IX

PLANCHE X

1. — *Hyperaulax (Bonnanius) ramagei* (Smith), holotype of *Bonnanius bouvieri* Jousseaume.
2. — *Peronaeus (Lissoacme) rouaulti* (Hupé), lectotype.
3. — *Anostoma (Ringicella) ringens* (Linné), lectotype of *Helix ringicula* Férussac.
4. — *Plagiodontes patagonicus* (d'Orbigny), dentition of aperture.
5. — *Bostryx (Ataxus) umbilicaris* (Souleyet), lectotype.
6. — *Stenostylus colmeiroi* (Hidalgo), holotype.